



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: § Group Art Unit: 1712
Lirio Quintero § 6/3/03
Serial No.: 10/023,273 §
Filed: December 14, 2001 §
For: Surfactant-Polymer Composition §
for Substantially Solid-Free Water §
Based Drilling, Drill-in and §
Completion Fluids §

Examiner:

Atty. Docket: 154-26969-US

1712
6/3/03
RECEIVED
MAY 27 2003
GROUP 1700

SECOND PRELIMINARY AMENDMENT

06/04/2003 TCOLE1 00000007 020429 10023273

01 FC:1201 168.00 CH 02 FC:1202 378.00 CH Please amend the claims as follows to correct the following clerical/typographical

errors and to add claims 392-412:

1 196. (Amended) A water-based drilling fluid comprising:
2 an aqueous base fluid;
3 a quantity of water soluble polymer; and,
4 an amount of surfactant in association with said water soluble polymer;
5 wherein said quantity, said amount, and said association provide said water
6 soluble polymer with effective rheology and fluid loss control properties
7 comprising low shear rate viscosity.

1 230. (Amended) A water-based drilling fluid comprising:
2 an aqueous base fluid;
3 a quantity of water soluble polymer;
4 an amount of surfactant in association with said water soluble polymer;



Certificate of Mailing Under 37 CFR 1.10

I hereby certify that this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service, under 37 CFR 1.10 on the date indicated below addressed to:

Commissioner for Patents
PO BOX 1450
Alexandria, VA 22313-1450

RECEIVED
MAY 27 2003
GROUP 1700

on 5-21-03 EV 338009682 US
Date Express Mail Label No.

Ann Marie Alaniz
Signature

Ann Marie Alaniz

Typed or Printed Name

Note: Each paper must have its own certificate of Mailing or this certificate must identify each submitted paper

Transmittal Form PTO/SB/21 [1 page], Second Preliminary Amendment [6 pages], Marked Up Claims Filed with Second Preliminary Amendment [3 pages] and return receipt postcard.

Applicant: Lirio Quintero

Group Art Unit: 1712

Serial No.: 10/023,273

Examiner: Not Yet Assigned

Filing Date: 12/14/2001

Atty. Docket No.: 154-26969-US

Title: Surfactant-Polymer Composition for Substantially Solid-Free Water Based Drilling, Drill-In and Completion Fluids